

IMPROVEMENTS TO SIGNAL PROCESSING OF TRANSMISSION PACKETS

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ABSTRACT OF THE DISCLOSURE

10 A communications unit (2) and method (50) for providing a transmission packet (30), the transmission packet (30) comprising a data independent field (32) and a payload field (33). The unit (2) and method (50) performs processing digital data (54) to provide a modulated digital payload. The method then performs a step (55) of obtaining pre-defined modulated transmission protocol bits stored in a memory. Then a combining step (56) provides for combining the modulated digital payload and the predefined modulated transmission protocol bits to provide the transmission packet (30), wherein the
15 modulated digital payload is in the payload field (33) and the modulated transmission protocol bits are in the data independent field (32).

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FIG. 5 accompanies this abstract.